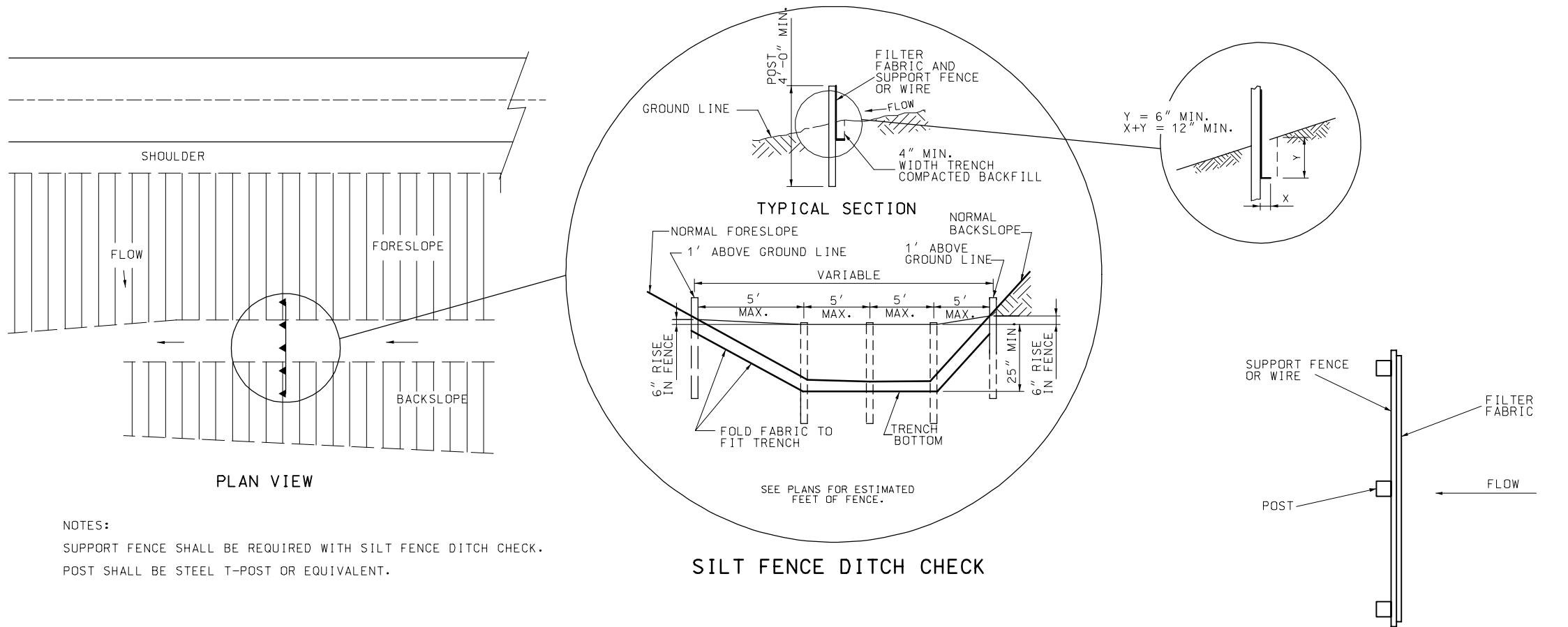


LEGEND  
 C = CUT LIMITS  
 F = FILL LIMITS  
 ← = DIRECTION OF FLOW

GENERAL NOTES:  
 EROSION CONTROL MEASURES ARE SHOWN HERE AS GENERAL EXAMPLES. ACTUAL CONDITIONS MAY DICTATE MORE OR FEWER MEASURES.  
 TEMPORARY OR FINAL SEEDING IMMEDIATELY UPON COMPLETION OF GRADING.  
 WOOD POSTS SHALL BE USED FOR ALL STRAW BALE APPLICATIONS.  
 STRAW BALES USED AS SILT FENCE SHALL BE EMBEDDED 6 INCHES.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
<b>TEMPORARY EROSION CONTROL MEASURES</b> GENERIC TEMPORARY EROSION CONTROL PLAN			
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NOTES:

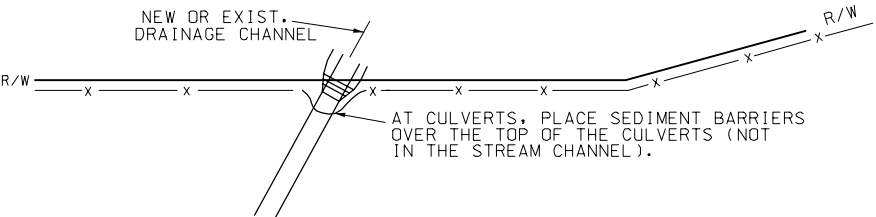
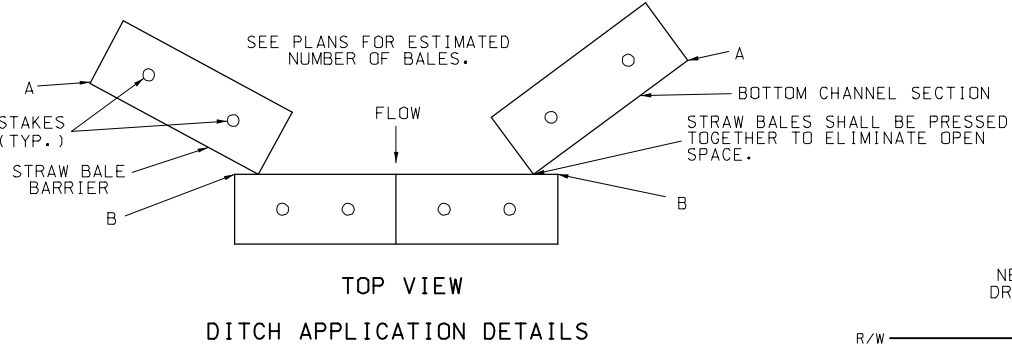
SUPPORT FENCE SHALL BE REQUIRED WITH SILT FENCE DITCH CHECK.

POST SHALL BE STEEL T-POST OR EQUIVALENT.

NOTE:

CORNERS 'A' SHALL BE HIGHER THAN CORNERS 'B' TO INSURE FLOW THROUGH OR OVER BARRIER, NOT AROUND IT.

FILTER FABRIC MAY BE ELIMINATED FOR GRADES 2% OR LESS ON STRAW BALES IF APPROVED BY ENGINEER.

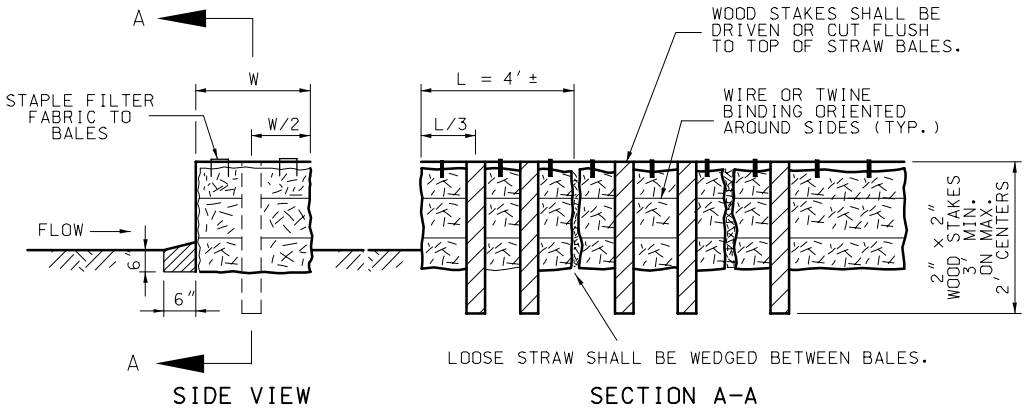


**LOCATION DETAIL**

GENERAL NOTES:

SEE SHEET 3 FOR MINIMUM SPACING OF ALL DITCH CHECK TYPES.

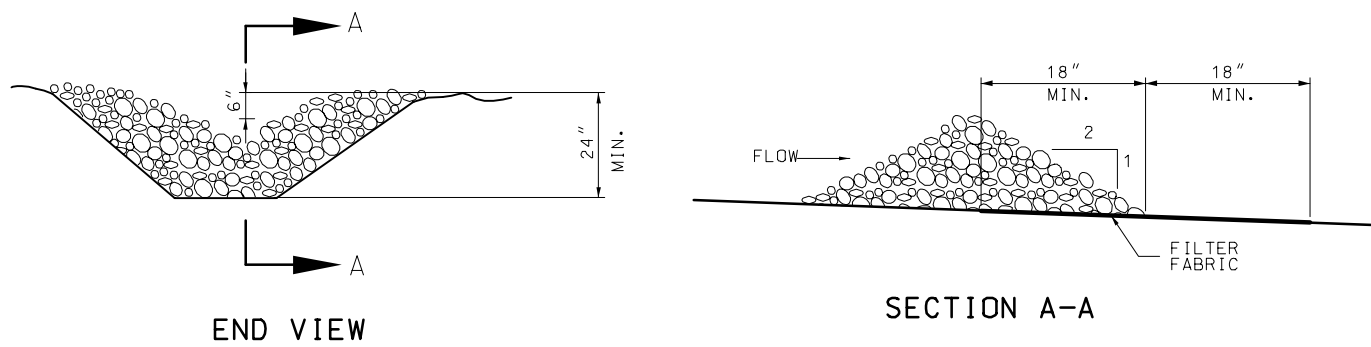
THE TYPE 1 DITCH CHECK MAY BE REMOVED, AS DIRECTED BY THE ENGINEER, WHEN THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.



**STRAW BALE BARRIER DETAIL**

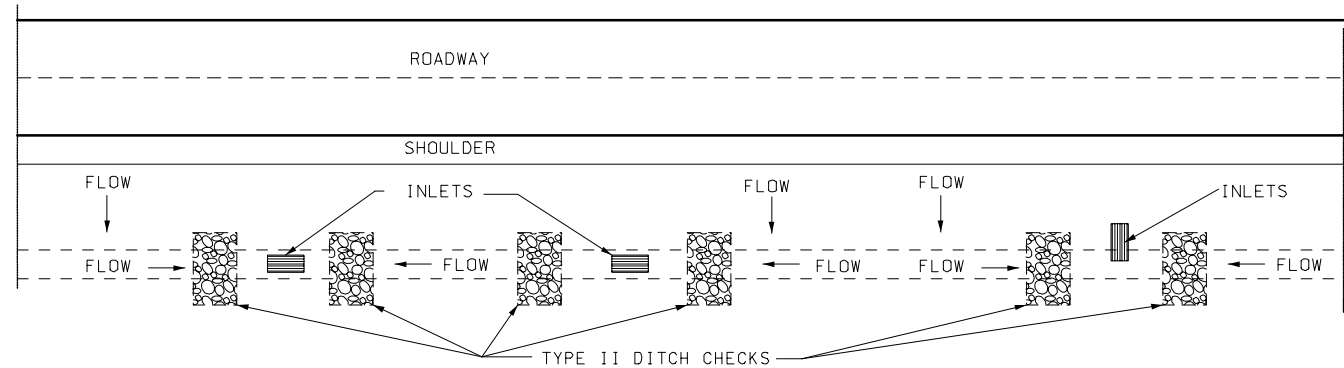
**STRAW BALE DITCH CHECK**

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
<b>TEMPORARY EROSION CONTROL MEASURES</b> <b>TEMPORARY DITCH CHECKS</b> <b>TYPE 1</b>			
DATE: _____	EFFECTIVE: 04-01-2005	806.10F	2/7



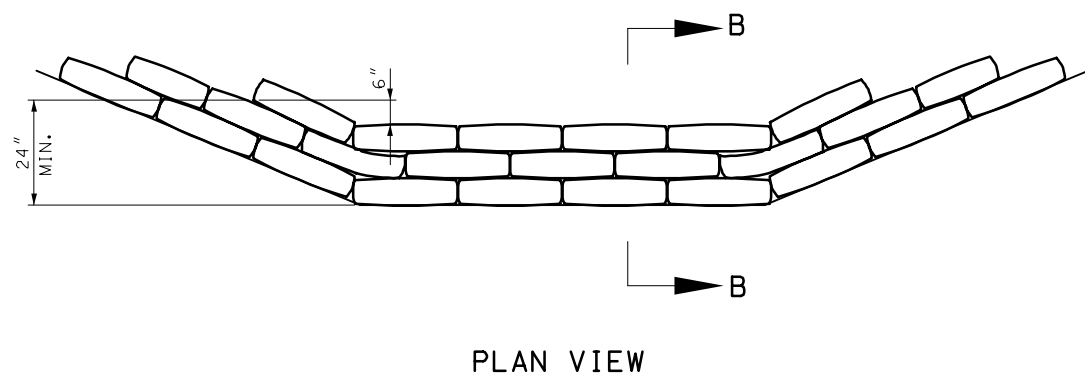
## ROCK DITCH CHECK

NOTE:  
TYPE II DITCH CHECK IN THE CLEAR ZONE SHALL BE REMOVED AFTER THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.



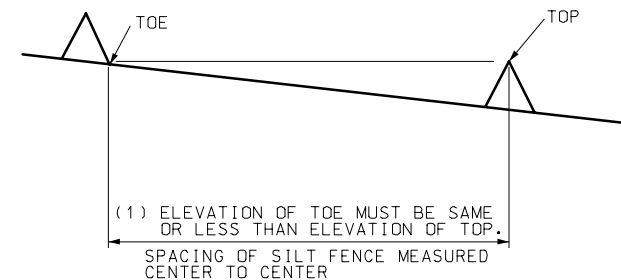
## DROP INLET CHECK

THE DROP INLET CHECK SHALL PROVIDE A MINIMUM OF 12 INCHES AND A MAXIMUM OF 18 INCHES ABOVE THE INLET GRADE.



## SAND BAG DITCH CHECK

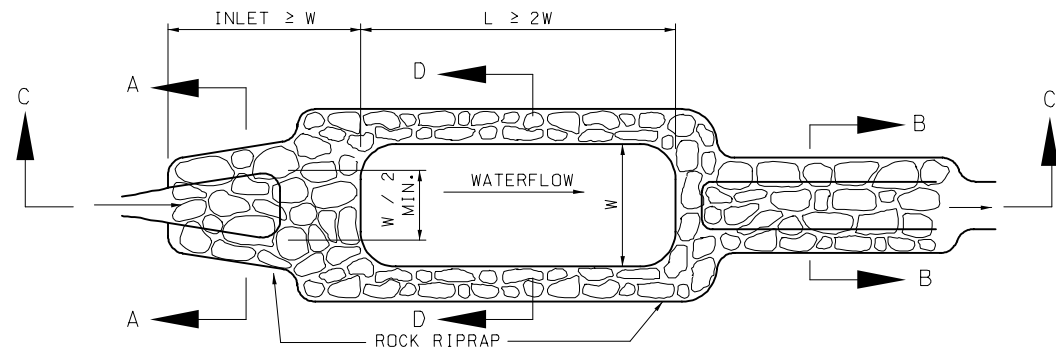
NOTE:  
NUMBER OF SAND BAGS AND ARRANGEMENT MAY VARY WITH ON-SITE CONDITIONS.



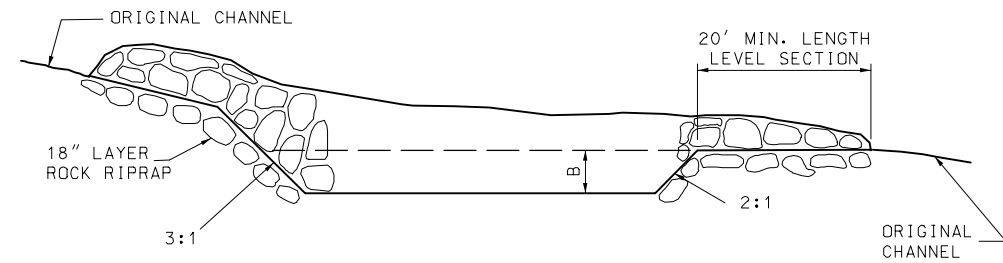
## MINIMUM DITCH CHECK SPACING

EXAMPLE DITCH CHECK SPACING FOR STANDARD HEIGHTS (FT.) (1)		
DITCH & SLOPE %	SPACING FOR 24" HEIGHT	SPACING FOR 18" HEIGHT
0.5	400	300
1.0	200	150
1.5	133	100
2.0	100	75
2.5	80	60
3.0	66	50
3.5	57	43
4.0	50	38
4.5	44	33
5.0	40	30
5.5	38	27
6.0	35	25
6.5	30	23
7.0	28	21
7.5	26	20
8.0	25	19
8.5	23	18
9.0	22	17
9.5	21	16
10.0	20	15

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
TEMPORARY EROSION CONTROL MEASURES TEMPORARY DITCH CHECKS TYPE II			
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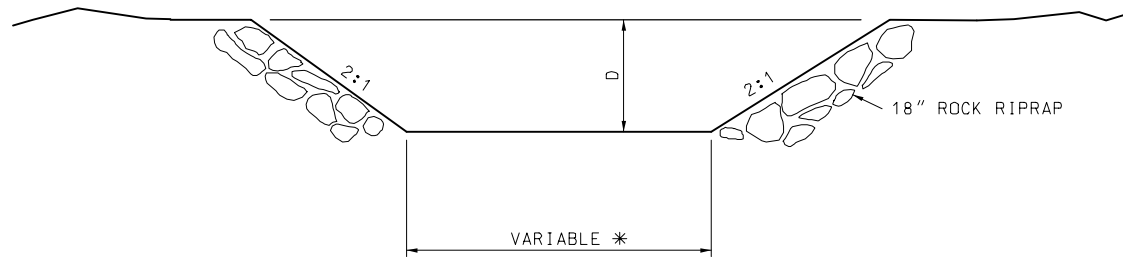


PLAN VIEW



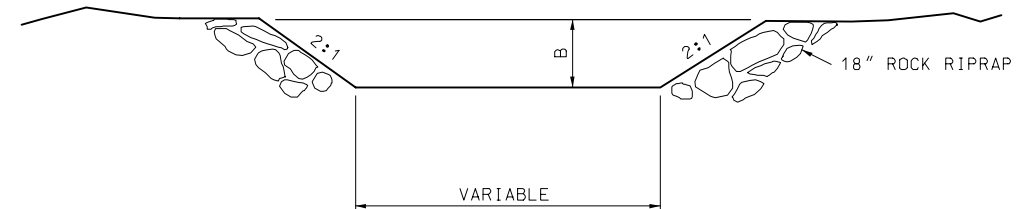
SECTION C-C

EFFECTIVE DEPTH "B" = MIN. 2', MAX. 6' DEPENDENT UPON CONFIGURATION REQUIRED BY LOCATION AND ESTIMATED VOLUME.

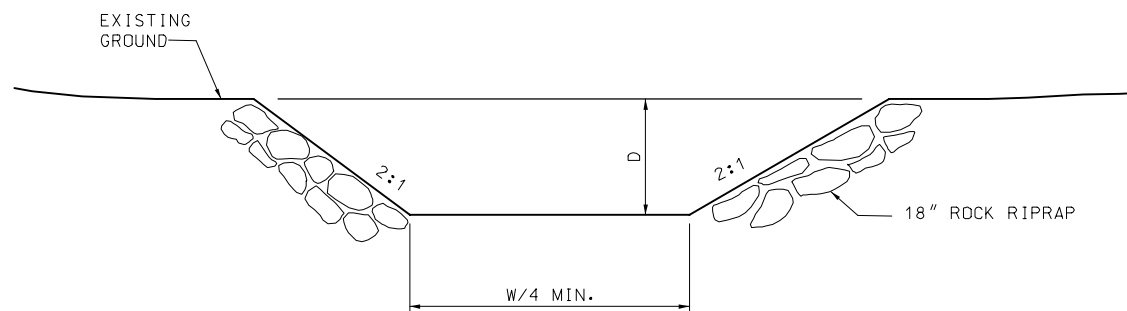


SECTION A-A  
INLET

$D = 1.0' + \text{DESIGN FLOW DEPTH-MIN.}$   
\* VARIES FROM WIDTH OF STREAM AT INLET TO ONE-HALF WIDTH OF POND AT OUTLET.



SECTION D-D



SECTION B-B  
OUTLET

GENERAL NOTES:

THE MATERIALS FOR ROCK RIPRAP SHALL MEET THE REQUIREMENTS OF SECTION 611.30 FOR TYPE 2 ROCK BLANKET.

SEE PLANS FOR LENGTH, DEPTH AND WIDTH OF BASIN.

SEE PLANS FOR ESTIMATED QUANTITIES OF ROCK RIPRAP - CUBIC YARDS.

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

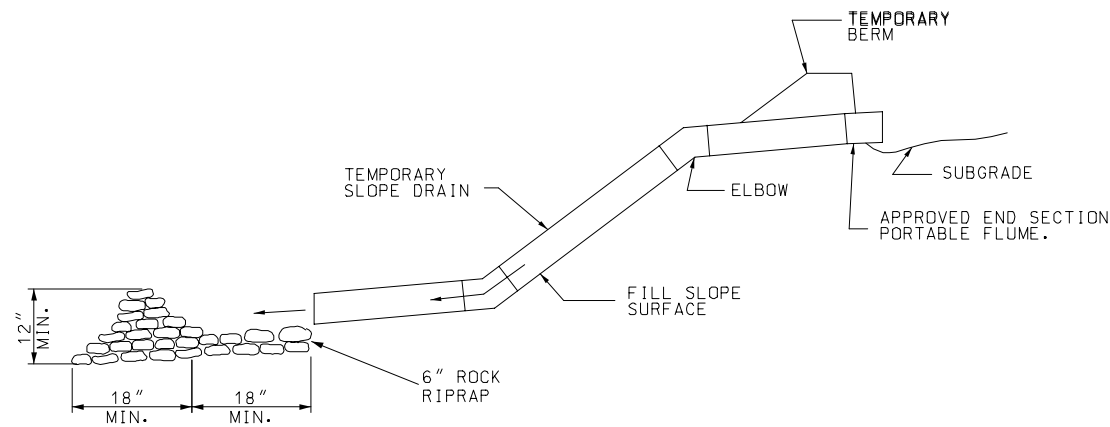
**TEMPORARY EROSION  
CONTROL MEASURES  
SEDIMENT BASIN**

DATE: \_\_\_\_\_

EFFECTIVE: 04-01-2005

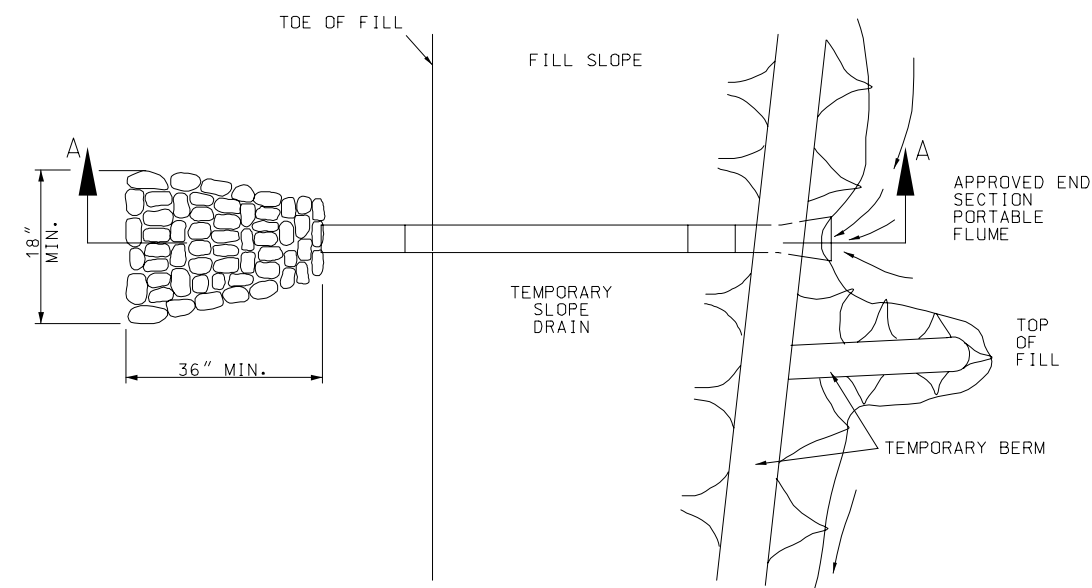
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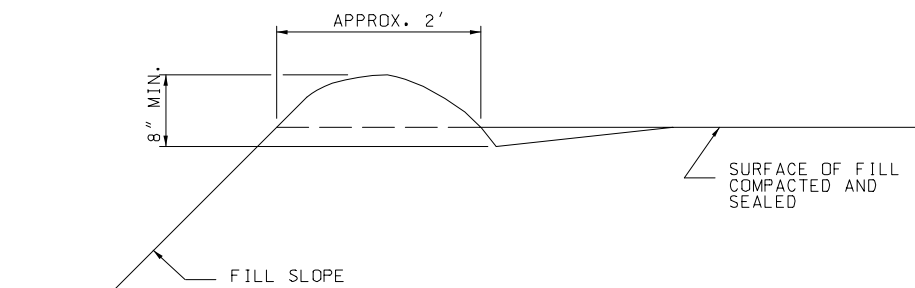
NOTE:  
IN SOME CASES IT MAY BE NECESSARY TO EMBED METAL OR PLASTIC PIPE INTO THE FILL SLOPE TO SECURE PROPER ANCHORAGE.

SECTION A-A



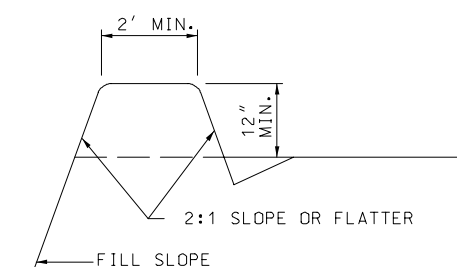
PLAN VIEW  
**TEMPORARY SLOPE DRAIN**  
(METAL, FLEXIBLE RUBBER OR PLASTIC PIPE)

NOTE:  
MAXIMUM LENGTH BETWEEN SLOPE DRAINS SHALL BE APPROXIMATELY 500 FEET.

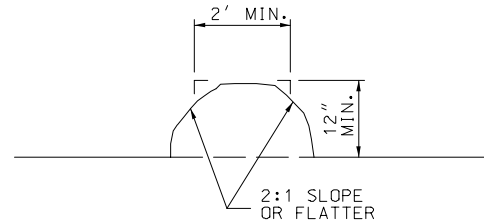


END VIEW

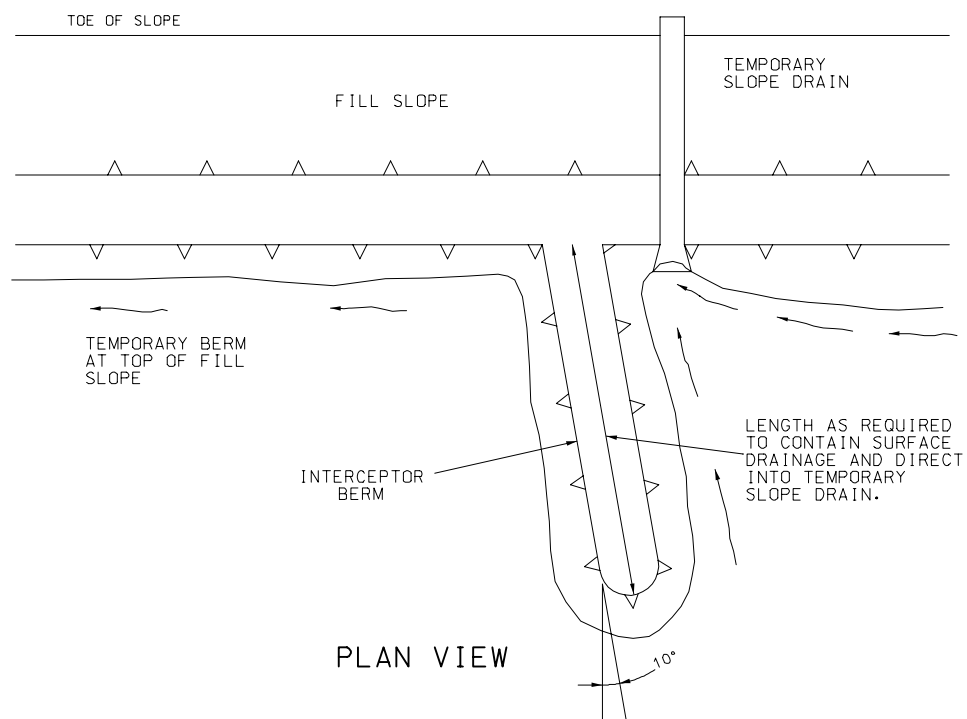
**TYPE 'A' TEMPORARY BERM**



END VIEW  
FILL BERM

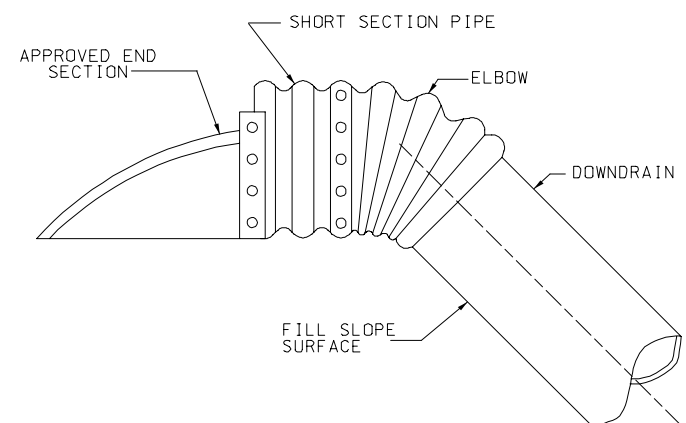


END VIEW  
TRANSVERSE BERM

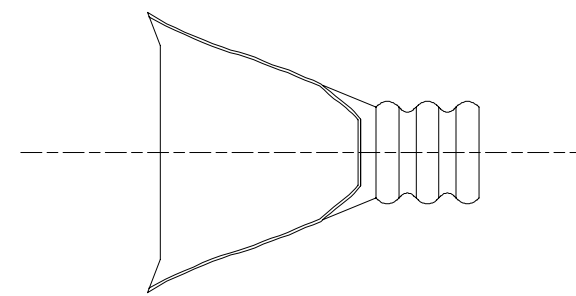


PLAN VIEW

**TYPE 'B' TEMPORARY BERM**

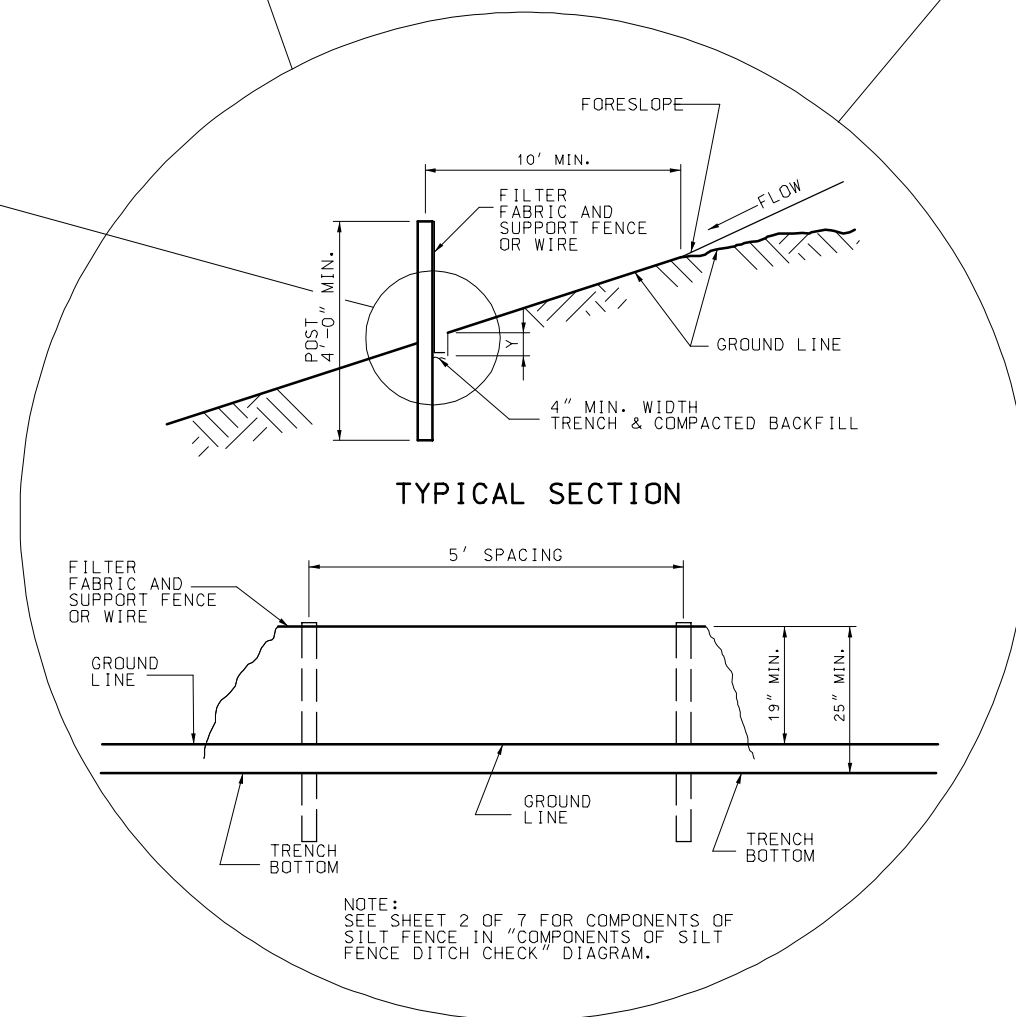
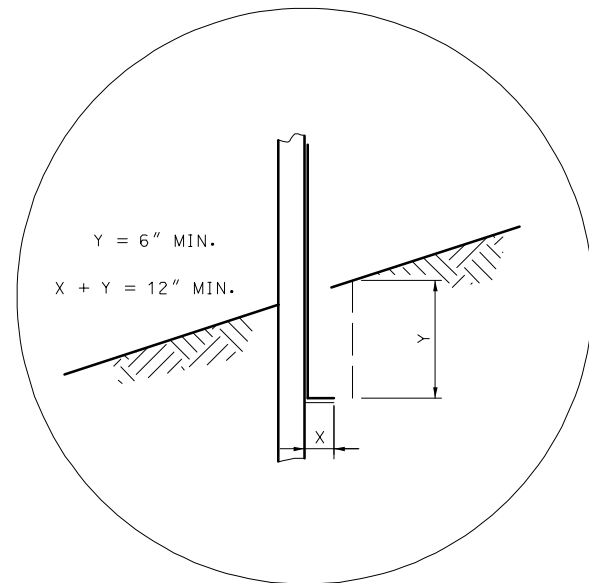
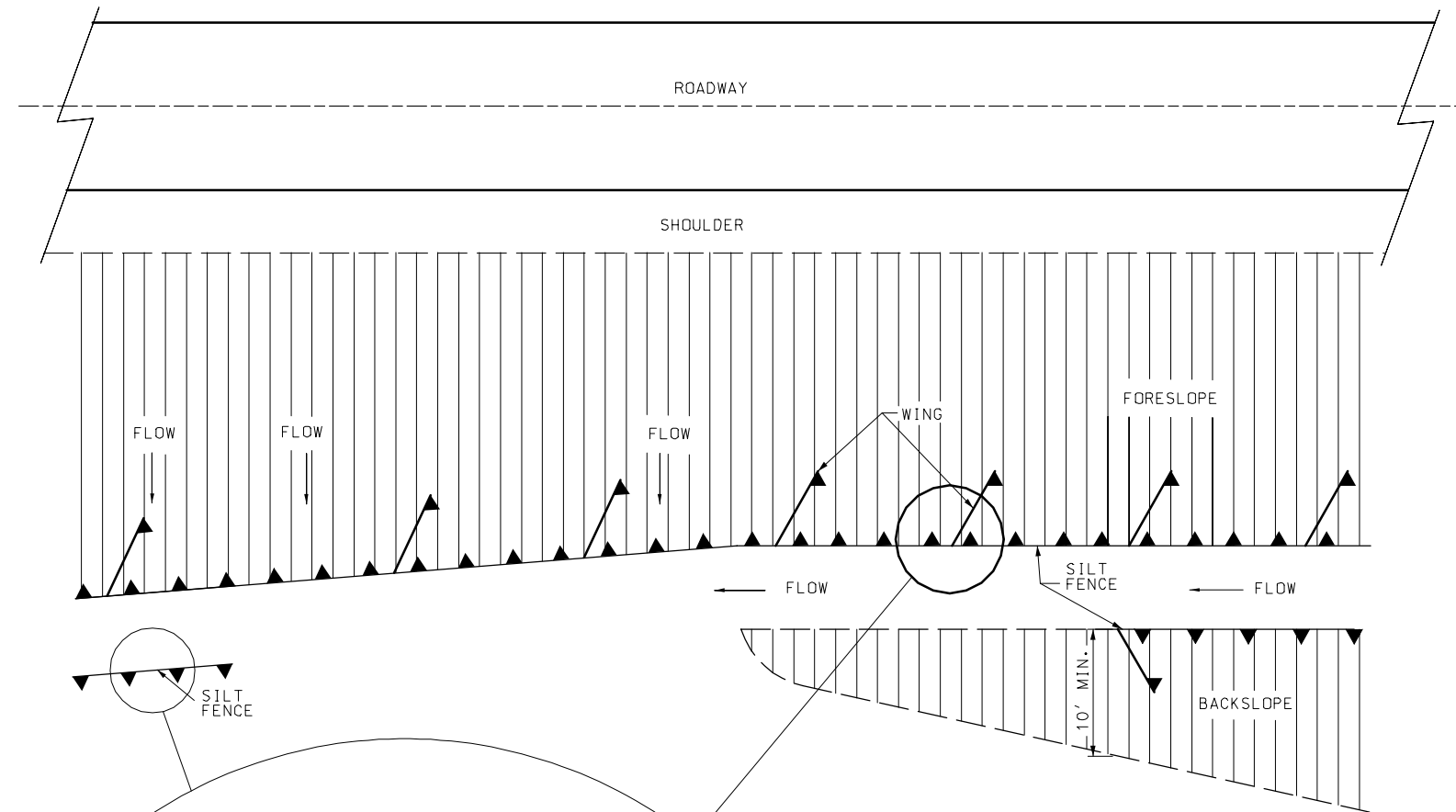


INLET TREATMENT



PLAN VIEW END SECTION  
**TEMPORARY SLOPE DRAIN**

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
<b>TEMPORARY EROSION CONTROL MEASURES</b> TEMPORARY BERMS AND SLOPE DRAINS			
DATE: _____	EFFECTIVE: 04-01-2005	806.10F	5/7



DETAILS OF SILT FENCE

GENERAL NOTES:

USE SILT FENCE FOR FILL HEIGHTS GREATER OR EQUAL TO 10 FEET. ON ALL FILLS GREATER THAN 10 FEET HIGH, MID-SLOPE RUNS OF SILT FENCE SHOULD BE CONSIDERED.

MINIMUM LONGITUDINAL SPLICE OVERLAP SHALL BE 2' WITH A POST AT EACH END.

SECURE FABRIC TO POSTS.

INSTEAD OF SILT FENCE ACROSS DRAINAGE DITCHES AND DRAINS, DITCH CHECK SHALL BE USED AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

SILT FENCE WING SPACING APPROXIMATELY TWICE DITCH CHECK SPACING.

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

**TEMPORARY EROSION  
CONTROL MEASURES  
SILT FENCE**

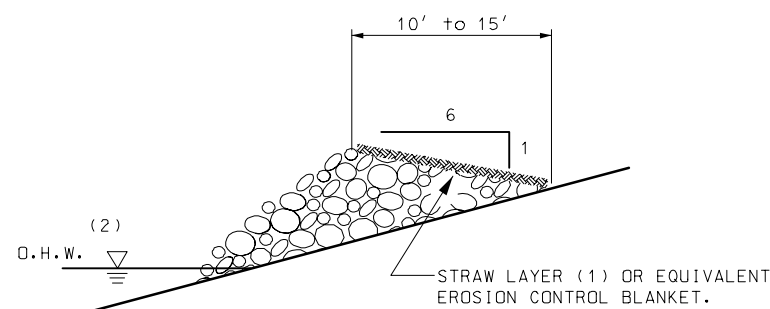
DATE: \_\_\_\_\_

EFFECTIVE: 04-01-2005

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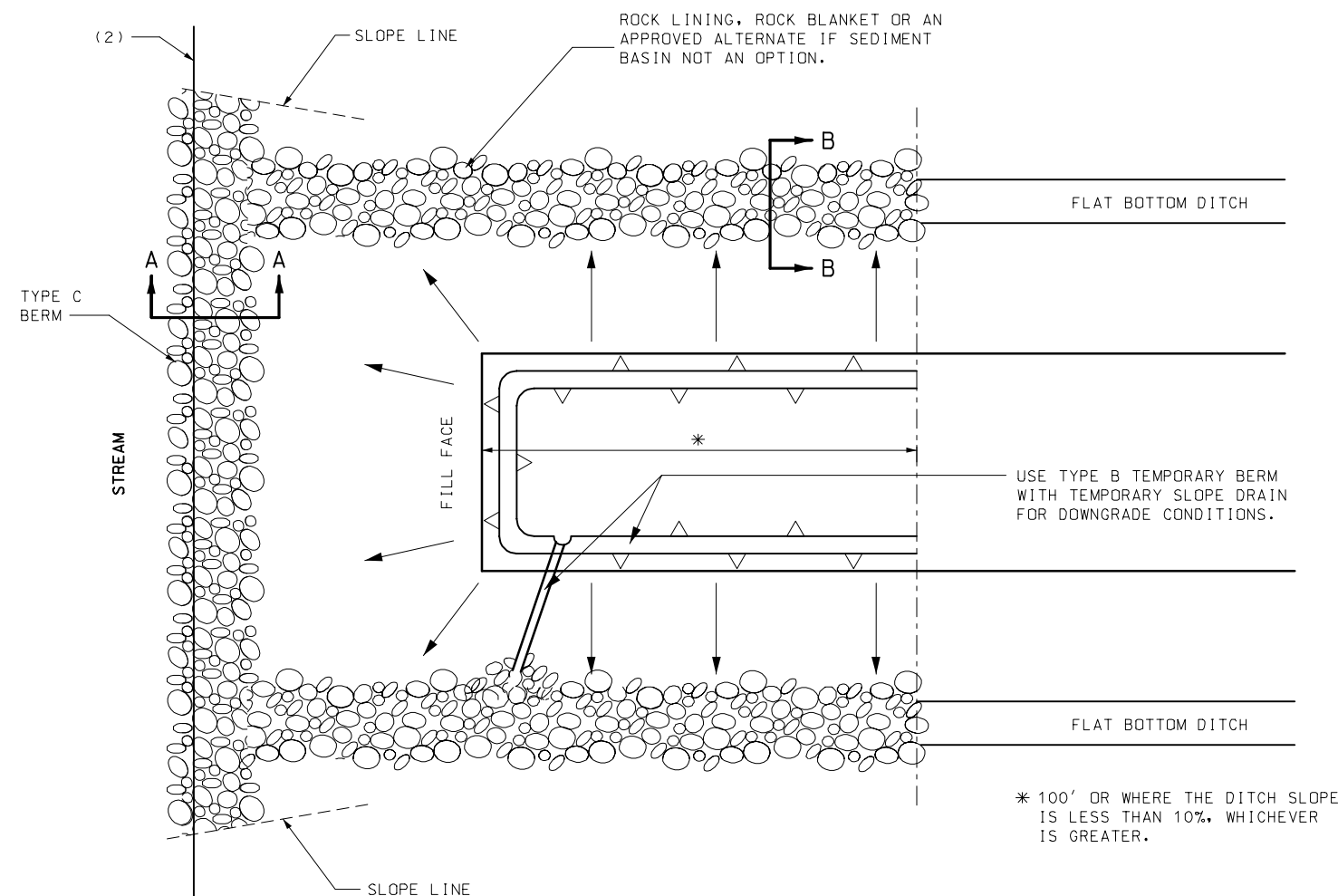
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### SECTION A-A TYPE C BERM (3)

- (1) STRAW LAYER SHALL BE A THICKNESS OF 2" COMPACTED.
- (2) TYPE C BERM SHALL BE PLACED NO LOWER THAN THE ORDINARY HIGH WATER (O.H.W.) OR AT AN ELEVATION AS DIRECTED BY THE ENGINEER.
- (3) TYPE C BERM SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS AND SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE OR PLACEMENT OF FILL IN THE DRAINAGE AREA OF THE BERM.



### PLAN VIEW



### SECTION B-B (4)

- (4) ROCK LINING DITCHES SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS.

\* 100' OR WHERE THE DITCH SLOPE IS LESS THAN 10%, WHICHEVER IS GREATER.

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

### TEMPORARY EROSION CONTROL MEASURES BRIDGES AND BOX CULVERTS AT STREAM CROSSINGS

DATE: \_\_\_\_\_

EFFECTIVE: 04-01-2005

806.10F

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